



*Montreal Report #5644
S.S. "Fort Tadaoussac"
Capacity Plan.*



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Lloyd's Register
Foundation

009994-010003-0197

SCALE ~ $\frac{1}{16}'' = 1 \text{ FOOT}$

TONNAGE { 7 128.86 TONS GROSS
4 258.94 TONS NETT REG.

Nº 1 TWEEN DECK	135-162	38 083	41 639
Nº 2 TWEEN DECK	106-135	39 612	43 536
Nº 3 TWEEN DECK	93-106	13 429	15 209
Nº 4 TW EEN DECK	40-66	27 542	31 140
Nº 5 TWEEN DECK	19-40	19 618	22 052
TOTAL TWEEN DECKS		138 284	153 576
TOTAL HOLDS AND TWEEN DECKS		467 037	516 899

FRESH WATER CAPACITIES			
COMPARTMENT	FRAMES	GALLONS	TONS
RESERVE FRESH H ₂ O D.B. PORT	66-76	11,737	52.0
RESERVE FRESH H ₂ O D.B. STANBY	66-76	11,737	52.0
FRESH WATER TANK 2 ND DECK PORT	61-66	6,600	29.0
FRESH WATER TANK 2 ND DECK STANBY	61-66	6,600	29.0
FRESH WATER TANK 2 ND DECK PORT	19-21	2,068	9.0
F.W.TANK ON AFTERBURNING PORT	12-14	120	.54
F.W.TANK ON R/O ₂ DISCHARGE PORT	64-66	126	.54
F.W.TANK ON WHEELHOUSE TOP PORT	104-106	60	.27
TOTAL		39,032	172.31

COAL BUNKER CAPACITIES			
COMPARTMENT	FRAMES	Cu.FEET	TONS
TWEEN DECK BUNKER	86-93	28 515	367
CROSS BUNKER	66-93	212 320	496
COAL CHUTE	77-80	1 305	29
BUNKER CHUTE	86-88	488	9
TOTAL PERMANENT BUNKERS		49 540	1101
N#3 HOLD	86-93	48 000	1000
N#3 TWEEN DECKS	86-93	14 430	323
TOTAL RESERVE BUNKERS		59 430	1323
TOTAL PERMANENT & RESERVE BUNKERS		109 035	2424

STORES		
COMPARTMENT	FRAMES	CH.FEET
LOWER STORE FORWARD	162 - STEIN	294.8
UPPER STORE FORWARD	162 - STEIN	533.6
CABIN STORE	102 - 109	138.7
REFR/ MEAT	106 - 109	35.0
REFR/ VEGETABLES	104 - 106	28.0

CARGO CAPACITIES NETT ARE TAKEN INSIDE OF FRAMES & UPSIDE OF BEAM.
CARGO CAPACITIES GROSS ARE TAKEN TO OUTSIDE OF FRAME & TOP OF BEAM.
WATER BALLAST CAPACITIES, SALT, 35 CU FT. TO ONE TON OF 2240 LBS.
FRESH WATER CAPACITIES, 36 CU. FT. TO ONE TON OF 2240 LBS.
COAL BUNKER CAPACITIES TAKEN TO OUTSIDE OF FRAME & UPSIDE
OF BEAM AT 45 CU. FT. TO ONE TON OF 2240 LBS.



1942



HULL N^o 531

Montreal Report No. 5644
S.S. "FORT TADOUSSAC"
Midship Section.



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EST. 5854. MIDSHIP SECTION

ALL SECTIONS TO NEW BRITISH STANDARDS
AND TO RESTRICTED ROLLING PROGRAMME

PRINCIPAL DIMENSIONS

LENGTH B.P.	416'-0"
BREADTH EXTR.	57'-2"
BREADTH MLD.	56'-10 1/2"
DEPTH MLD. UPPER DK.	37'-4"
DEPTH MLD. 2ND DK.	28'-7"
DEPTH TO LENGTH-UPPER DK.	11'-14"

CLASS:- 100 A.1. LLOYDS WITH FREEBOARD CORRESPONDING TO A DRAFT
18" MORE THAN THAT OF A C.S.S. VESSEL.

SCALE: 1/2" = 1 FOOT

EQUIPMENT NUMERAL

L (B+D)	=	39189
MIDSHIP DECKHOUSE 30.25 x 7.5 x .50	=	113
CASINGS 20.5 x 7.5 x .50	=	77
59.75 x 10.5 x .50	=	314
AFTER DECKHOUSE 28 x 7.5 x .50	=	105
	=	39758

UPPER DECK STRINGER 62 1/2" x .64" TO 39" x .40"
DOUBLE RIVETED END LAPS TO DOUBLE WELDS UNDER .42"
STRINGER ANGLE 6" x 6" x 5/8" TO 3 1/2" x 3 1/2" x 7/16"
BUTTS VEE BUTT WELDED WITH BACK RUN.

UPPER DK PLATING .65" TO .36"
TACKLE RIVETED END LAPS FOR 1/2 L. TO
SINGLE AT ENDS WHERE NOT EXCEEDING .44"
BUTTS VEE BUTT WELDED WITH BACK RUN.

UPPER DECK PLATING BETWEEN OPENINGS .40" TO .36"
DOUBLE RIVETED END LAPS FOR 1/2 L.
SINGLE RIVETED END LAPS AT ENDS
BUTTS VEE BUTT WELDED WITH BACK RUN.

3 7/8" RIVETS WHERE NOT
ATTACHED TO RUNNER
14" CAMBER
RUNNER 6" x 3 1/2" x 1/2" ANGLE
BEAM LUGS 6" x 6"

SINGLE ANGLE PILLARS REELED
TWO FRAME SPACES APART AS
PER "PROFILE"
DOUBLE AT HATCH ENDS WITH
BRACKETS AT TOP & BOTTOM

PILLARS WELDED TO DECK
6" CAMBER.

STEM FRAME AS PER DETAIL PLAN
STEM BAR 10" x 1 1/2" TO L.W.L.
PLATE STEM ABOVE L.W.L.
RUDDER AS PER DETAIL PLAN.

STEEL C2 L BULKHEAD .36"
STIFFENERS TWO FRAME SPACES APART
DOUBLE AT HATCH ENDS AS PER "PROFILE"
BRACKETS AT TOP & BOTTOM AT HATCH ENDS
CONNS. TO 2ND DECK 3" x 3" x 3/8"
CONNS. TO TANK TOP 3 1/2" x 3 1/2" x 3/8", DOUBLE AT HATCH ENDS.

FLOORS, ON EVERY FRAME, .36" IN HOLDS WITH STIFFS, AS SHOWN .49 B.S. WITH STIFFS.
W.T. FLOORS .49" (INCL. B.S.) WITH STIFFS. 6" x 3 1/2" x 5/16" SPACED 30"
TANK TOP CR. STRAKE 59 1/2" x .50" TO .44" .58" B.S. .50" E.S.
TACKLE RIVETED END LAPS FOR 1/2 L. TO DOUBLE AT ENDS VEE BUTT WELDED.
TANK TOP PLATING .44" TO .40" .58" B.S. .50" E.S.
DOUBLE RIVETED END LAPS FOR 1/2 L. TO SINGLE AT ENDS VEE BUTT WELDED.
FRAMES IN TANK 3 1/2" x 3 1/2" x 7/16"
REVERSE FRAMES IN TANK 3" x 3" x 1/4" 4" x 4" x 3/16" B.S. 6" x 6" x 1/2" UNDER ENGINES
3 1/2" x 3 1/2" DOUBLE UNDER THRUST BLOCK, 6" x 6" x 5/8" UNDER BOILER BEARERS
BOTTOM FRAMES FROM 1/2 L. FORD TO COLLISION BULKHEAD 6" x 6" x 1/2" WITH RIVETS
TO SHELL 5 1/2" DIAS. APART, 6 DIAS. IN VERT. PLANGE (APPROX. - SEE SKETCH BELOW)
GIRDERS, ONE EACH SIDE OF 6" x 3 1/2" x 7/16" B.S. CONTINUOUS TOP & BOTTOM BARS.
AND 6" x 3 1/2" x 7/16" B.S. VERTICAL AT EACH FLOOR WITH 3-3/4" RIVS. TOP & BOTTOM.
INTERCOSTAL PLATE GIRDERS WHERE SHOWN - ON "DECK PLANS" - .36" PLATE
IN HOLDS .42" E.S. .52" B.S. WITH VERTICALS 3" x 3" x 3/8" 3 1/2" x 3 1/2" x 7/16" B.S. BOTTOM
CONNECTIONS 3 1/2" x 3 1/2" x 7/16" TOP CONNECTIONS 3 1/2" x 3 1/2" x 3/8" 6" x 6" x 1/2"
UNDER ENGINES & THRUST AND 4" x 4" x 1/2" B.S.
ADDITIONAL GIRDERS UNDER ENGINES & FORD 1/2 L. AS PER SEC 11

SEE "SCHEDULE OF WELDING"
DAVE S. & R. C. HULL 531

CENTER GIRDER 43 1/2" ABOVE KEEL x .54" TO .46" .60 B.S.
END LAPS TREBLE RIVETED
TOP BARS 3 1/2" x 3 1/2" x 7/16" 4" x 4" x 1/2" B.S.
BOTTOM BARS 4" x 4" x 1/2" ALL FORD & AFT.
VERTICALS 3 1/2" x 3 1/2" x 7/16" 4" x 4" x 1/2" B.S. 6" x 6" x 1/2" UNDER
ENGINES & THRUST BLOCK, 6" x 6" x 5/8" UNDER BOILER BEARERS.

WELDED TO TANK TOP

9-3/4" RIVETS TO FLOORS
8-7/8" " " CENTRE GIRDER FOR 1/2 L.
9-3/4" " " " AT ENDS
13-7/8" " " " & FLOORS IN 6" x 6" ANGLES.

BOTTOM SHELL .61" WITH 30" SPACING TO .50" AT ENDS.
QUAD RIVETED END LAPS. RIVETS IN BOTTOM FRAMES TO SHELL & FLOORS SPACED 7 DIAS.

THREE STRAKES OF SHELL NEXT TO KEEL TO BE 10" ABOVE III THICKNESS = .67" (.68" IN WAY 27" SPACING) FROM 1/2 L. FORD TO COLLISION BHD.

KEEL 52" x 78" FOR 3/4 L. TO .68" AT ENDS
QUADRUPE RIVETED END LAPS FOR 1/2 L.
TREBLE RIVETED END LAPS AT ENDS WHERE .76" AND UNDER
1" RIVETS IN END LAPS ABOVE .72" 7/8" AT ENDS
7/8" RIVETS IN SEAMS & FRAMES.

DETAIL OF GUSSET CONNECTION TO TANK TOP

GUSSET BROUGHT OVER
KNUCKLE & WELDED TO TOP

SEE "SCHEDULE OF WELDING"

DETAIL OF B.O.T'S AFT OF FR. 66 & FORD FR. 106 (EX. NO. 1 HOLD)

SHEER STRAKE 72" x 70" WITH
TWEEN DECK FRAMES ON EVERY FRAME
TO .45" AT ENDS
QUAD. RIVETED END LAPS
TREBLE AT ENDS.

STRAKE BELOW SHEER STRAKE
78" x .61" TO .45" AT ENDS
TREBLE RIVETED END LAPS.

GUNWALE PLATE
WELDED
3/4" TO MLD. LINE
1/8" OVERLAP

SIDE SHELL .61" WITH 30" SPACING
TO .45" AT ENDS
TREBLE RIVETED END LAPS

SIDE SHELL 25% ABOVE END THICKNESS
=.56" IN WAY OF PANTING IN LIEU OF
STRINGERS FOR A DISTANCE AFT OF RULE
POSITION OF COLLISION BULKHEAD EQUAL
TO 10% L. OF VESSEL.

SIDE SHELL 25% ABOVE END THICKNESS
=.56" IN WAY OF FORE PEAK TANK IN LIEU OF
STRINGER CONNECTIONS TO SHELL.

BOSS PLATING .70"

OUTER PLATE INCREASED 25% ABOVE RULE

SKETCH OF TANK GUSSETS

B.O.T. FLANGED 3 1/2" x 5 1/2"
GUSSET .40" 2" FL.
WELDED TO B.O.T. &
KNUCKLE OF MARGIN
THROAT THICKNESS
OF WELDING .33"
AT PANTING FRAMES 17"

BILGE KEEL
10" x 1 1/2" PLATE WELDED TO SHELL

RIVETING OF 6" x 6" BOTTOM FRAMES
FROM 1/2 L. FORWARD TO COLL. BULKHEAD

3/4" RIVS TO FLOORS
7/8" RIVS TO SHELL

NOTE: BILGE FRAME AND BOTTOM FRAME TO BE
ORDERED AND TURNED ETC. IN ONE LENGTH.

FLANGED 3 1/2"

2 1/2" BILGE CEILING

18" x 14"

7/8" RIVETS

SEE "SCHEDULE OF WELDING"

MARGIN PLATE 41" x 54" .60" B.S. TREBLE RIVETED END LAPS VEE BUTT WELDED.

MARGIN ANGLE 4" x 4" x 1/2" (CEMENTED IN B.S.)

B.O.T'S 8-5/8" x .45" FL. IN E.R. CROSS BUNKER & NO. 3 HOLD .55" B.S. 44 1/2" x .45" FLANGED IN NO. 1 HOLD 72" x 45" FLG. ELSEWHERE.

B.O.T. CONNECTIONS IN PANTING AREA 2" x 3 1/2" x 7/16" B.S. 15-7/8" RIVS. THRU B.O.T. 18-7/8" RIVS. THRU MARGIN. 17" WELDED GUSSET PL. 2" (ALTERNATIVELY 3 1/2" x 3 1/2" x 7/16" DOUBLE ANGLE .57" RIVS.)

FLOORS TO MARGIN 22" x 3 1/2" x 7/16" B.S. 10-3/4" RIVS. TO FLOOR (ALTERNATIVELY 3 1/2" x 3 1/2" x 7/16" ANGLE 9/16" B.S.)

FLOORS TO MARGIN IN PANTING AREA 22" x 3 1/2" x 7/16" B.S. 15-3/4" RIVS. TO FLOOR. (ALTERNATIVELY 3 1/2" x 3 1/2" x 7/16" DOUBLE ANGLE)

2 1/2" BILGE CEILING IN CROSS BUNKER & NO. 3 HOLD.

INSIDE TANK MARGIN LUGS TO BE COUNTER-SUNK FOR RIVET POINTS.

CEILING UNDER HATCHES

ADDITIONAL GIRDERS UNDER ENGINES

30" x 18"

30" x 18"

30" x 18"

30" x 18"

SEE "SCHEDULE OF WELDING"

6" RISE OF FLOOR

24" x 18"

WELDED

FLANGED 3 1/2"

2 1/2" BILGE CEILING

18" x 14"

7/8" RIVETS

SEE "SCHEDULE OF WELDING"

DETAIL OF B.O.T'S AFT OF FR. 66 & FORD FR. 106 (EX. NO. 1 HOLD)

FLANGED 3 1/2"

2 1/2" BILGE CEILING

18" x 14"

7/8" RIVETS

SEE "SCHEDULE OF WELDING"

DETAIL OF B.O.T'S AFT OF FR. 66 & FORD FR. 106 (EX. NO. 1 HOLD)

S.S. "FORT TADOUSSAC"
DAVE S. & R. C. HULL 531

DAVE SHIPBUILDING
& REPAIRING CO. LTD.
LONDON, ENGLAND

CORRECTED TO LLOYDS REGIST. OF 21st Nov. 1940.

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